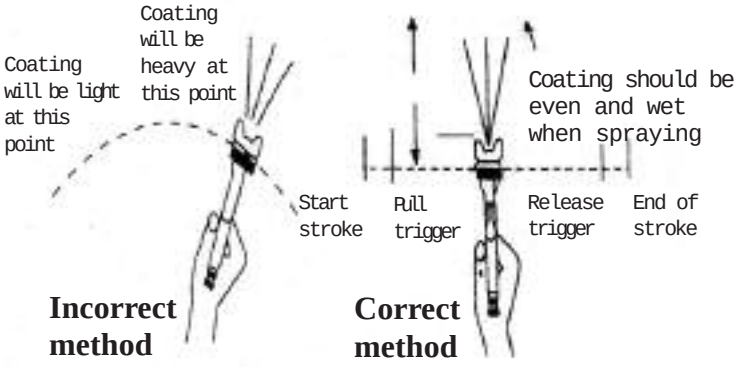
8059851

Mini HVLP Paint Spray Gun

User Manual

Technical Specifications

- Model: 8059851
- Air pressure: 30-80 PSI
- Nozzle diameter: 1.4 mm
- Type of feed: Gravity
- Air consumption: 5 CFM
- Pattern width: 7-1/2" (190 mm)
- Paint capacity: 3.5 oz

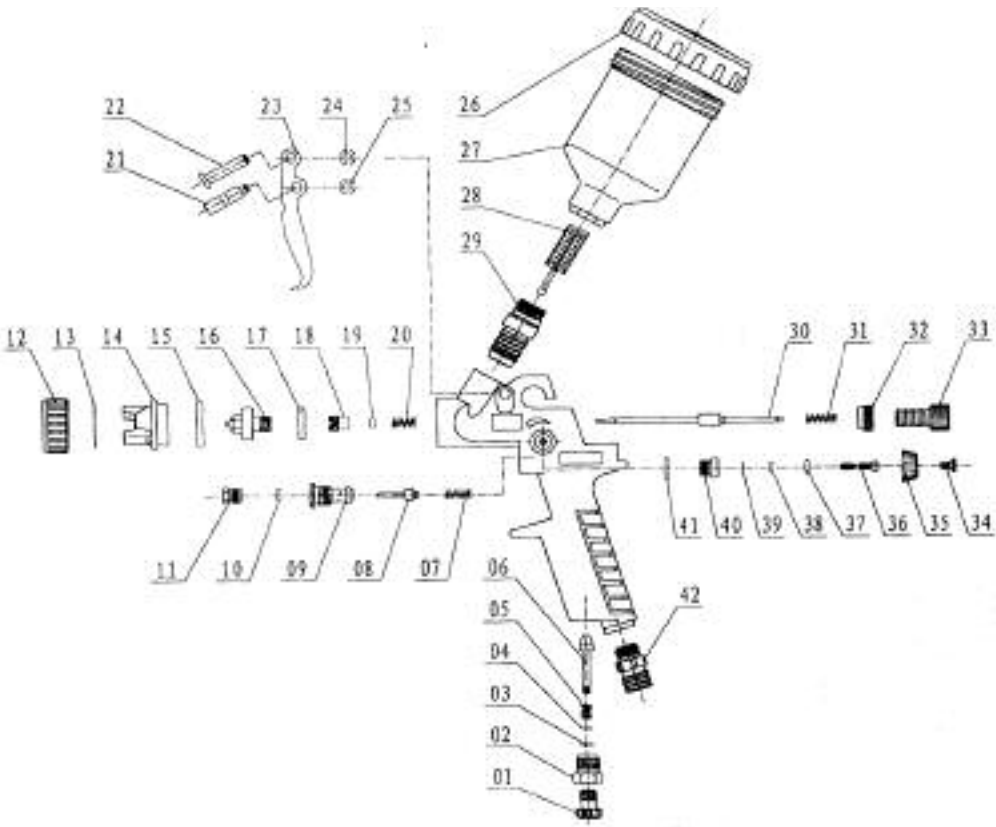


Operation

1. Suggested air pressure is 30-80 PSI
2. Recommended paint viscosity differs according to paint properties and painting conditions.
3. Use the lowest possible fluid output that produces an adequate paint coverage. Finer atomization leads to a better finish.
4. Maintain a distance of 6-8" from the gun to the workpiece.
5. The gun should be held so that it is perpendicular to the surface of the workpiece at all times. Move the gun in a straight and horizontal line. Arcing the gun results in an uneven paint finish.

Maintenance

1. Pour remaining paint into another container and then clean paint passage and air cap. Spray a small amount of thinner to clean paint passages. Incomplete cleaning will cause adverse pattern shapes and particles to appear on your work. Promptly clean components after use.
2. Clean other sections with a brush and cloth soaked with thinner.
3. Clean paint passages fully before disassembly.
4. Remove the fluid nozzle after removing the fluid needle set or while keeping fluid needle pulled in order to protect seat section.
5. While keeping fluid needle set inserted, tighten fluid needle packing set by hand. Then tighten gradually with a wrench. Adjust the packing set while pulling the trigger and watching the movement of the fluid needle set since over-tightening will strip the thread, causing leakage.
6. Turn the spread adjustment knob counterclockwise to fully open it, then tighten the spread adjustment guide into the gun body.



Parts List

1	Fluid adjustment screw
2	Fluid adjustment knob
3	O-ring
4	Washer
5	O-ring
6	Washer
7	Switch spring
8	Air inlet valve assembly
9	Switch knob
10	Switch washer
11	Lock screw
12	Nut
13	Air cap washer
14	Atomization
15	Nut housing
16	Fluid nozzle
17	Fluid nozzle washer
18	Bolt
19	Compressed spring
20	Needle washer
21	Trigger level I
22	Trigger level II
23	Trigger
24	Snap retainer
25	Snap retainer
26	Container cover
27	Container
28	Filter
29	Fluid inlet joint
30	Fluid needle
31	Fluid needle spring
32	Joint
33	Paint adjustment knob
34	Screw
35	Paint adjustment joint
36	Pattern adjustment screw
37	O-ring
38	O-ring
39	Snap retainer
40	Pattern adjustment knob
41	O-ring
42	Air inlet joint

Troubleshooting

Symptom	Problem	Solution
Intermittent spray	• Presence of air in the paint circuit	• Tighten the nozzle using the wrench provided. • Make sure that the tank is not empty. • Check that the connecting hole is not obstructed. • Tighten the gland screw or replace the gasket if worn
Pattern arched	• Material residue in the holes obstructs the passage of material • The nozzle is dirty or malfunctioning • The atomization cap is dirty or damaged	• Submerge the head in solvent • Clean and open all closed holes with a jet of compressed air or a toothpick. • Do not use pointed metal objects, or you may deform the hole of the head part.
Uneven pattern	• Material builds up on the outside of fluid nozzle tip or center hole or partially clogged nozzle orifice. • Loose fluid nozzle	• Clean the head and the nozzle • Make sure that the centering between the two is precise • Check that the tip of the pin is not ruined • Replace the nozzle and the head
The center of the pattern is too narrow	• Atomization of air pressure is too high • Material too thin	• Reduce the quantity of air and increase the flow of paint.
Poor atomization. Spray concentrated into the centre	• The flow of paint is greater than the pressure and quantity of air supplied.	• Clean the head and the nozzle • Make sure that the paint is not too dense and dilute if necessary
Little to no paint output	• Fluid passage is clogged with dirt • Air holes in the cover are blocked • Fluid needle stroke is too short	• Remove obstructions • Adjust fluid needle stroke